





CITY AND COUNTY OF THE CITY OF EXETER.

Education Committee.

Annual Report

OF THE

SCHOOL MEDICAL OFFICER

FOR THE

OF EXETER, 1927.







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SCHOOL MEDICAL STAFF.

School Medical Officer.

PERCY H. STIRK, M.R.C.S., L.R.C.P., D.P.H., Lond.

School Medical Inspector.

CHARLES MATHEW, M.R.C.S., L.R.C.P., L.S.A.

Part Time.

J. A. W. PEREIRA GRAY, M.D., Brux., M.R.C.S., L.R.C.P., Lond.,

Operative treatment for Tonsils and Adenoids.

School Dental Surgeon.

GEORGE VALENTINE SMALLWOOD, L.D.S., Eng.

School Nurses.

MISS CAROLINE ANNIE KNUCKEY.

MISS BEATRICE MARY KNUCKEY.

MISS SUSAN LOUISA DAWKINS, resigned on 30th April, 1927.

MISS MAUD WALTERS.

MISS FRANCES ENA WARD.

MISS ELSIE M. HOYLES, joined on 9th May, 1927.

Clerks.

CHAS. F. HAYES. R. H. WELLS.

ANNUAL REPORT

OF THE

SCHOOL MEDICAL OFFICER

FOR THE

CITY AND COUNTY OF THE CITY OF EXETER, 1927.

To the Chairman and Members of the Education Committee.

I have the honour to submit my Report upon the Medical Inspection of School Children for the year 1927.

1.—STAFF.

Particulars of the Staff are given Page 3.

2.—CO-ORDINATION.

As the School Medical Officer, who is also Medical Officer of Health and Infant and Child Welfare, is engaged in clinical as well as administrative duties, there is no difficulty in coordinating the work of the different Departments.

3.—SPECIAL ENQUIRY.

When I commenced School Medical Inspections I took up as a special subject of investigation, and one which appeared to me, when I had sufficient numbers, would probably give interesting results—the association of physical defects with school backwardness. My investigations have been continued by my assistants and we have now examined 800 backward children, a backward child being regarded as one, three or more standards below the normal child of his or her age, mentally deficient children being excluded. I find that 66.4 per cent. have physical defects which account for their backward condition.

In more than a quarter, 25.7 per cent. of these the cause was connected with diseased or defective conditions of the ears or nose and throat leading to partial deafness, and 12.7 per cent. suffered from defective vision. With the attention which is now given to these defects and the treatment which is provided for their remedy by the Education Committee, I confidently expect that there will be a considerable reduction in the number of backward children.

4.—SCHOOL ATTENDANCE.

Infectious diseases have interfered very considerably during the past year with school attendance. While the incidence of the notifiable infectious diseases, except chicken pox, has been slight. The so-called minor affections have been epidemic, no less than 1,415 children were excluded for various periods, either as actual sufferers or contacts with infectious diseases. The known cases of these diseases were as follows:—

Measles 369, Whooping Cough 170, Chicken Pox 175, Impetigo (an infectious skin disease) 298, and Ringworm 140.

THE SCHOOL MEDICAL SERVICE IN RELATION TO PUBLIC ELEMENTARY SCHOOLS.

5.—MEDICAL INSPECTION.

The arrangements and methods adopted for the Medical Inspection of the children have been in all respects similar to those described in previous Reports. The children examined include the Entrants, Leavers, and Intermediate Group (aged 8), other Routine, Special Cases, and Re-inspection of Defective Children, the numbers examined being set forth on Table I.

6.-Following Up.

For this purpose the City is divided into convenient areas, each School Nurse having charge of her own District, and during the year the School Nurses made 5,944 home visits in this connection.

7.—MEDICAL TREATMENT.

(a) Uncleanliness (see Table IV., Group IV.)

I have to report a steady improvement in the condition of children attending the Elementary Schools in the matter of cleanliness. This has been continuous since the institution of school medical work. At present the School Nurses make visits to the schools, particularly during the week following re-opening after holidays. During the year the School Nurses paid 426 visits to schools in this connection, the actual number of children examined being 20,709. Of this number 344 were unsatisfactory, and these were cleansed satisfactorily by their parents after notice was given.

No legal proceedings were taken against parents under the Education Act, 1921, Section 47.

(b) Tuberculosis.

Fifteen children have been referred by the School Medical Inspector to the Tuberculosis Dispensary for prolonged observation by the Tuberculosis Officer, and of these 4 were found to be tubercular, 2 were still under the observation at the end of the year, and 9 were not tubercular.

(c) Ringworm.

During the year 7 cases were treated by X-Rays.

123 cases were treated at the Ringworm School Treatment Clinic by the School Nurses, 44 being ringworm of the scalp and 79 ringworm of the body, and the number of visits paid to the Clinic for treatment of this disease was 1,636.

102 were cured and 21 remained under treatment at the end of the year.

(d) Impetigo.

298 cases of this disease were treated at the Clinic, making 1854 attendances, and all were cured.

(e) Scabies.

4 families affected. 7 cases treated at Clinic, and 1 case treated privately.

(f) Vision.

282 children received advice under the arrangements made by the Local Education Authority for Error of Refraction (including squint) and 47 children received advice privately, an increase of 28 cases on last year.

2 children received In-Patient Treatment, one operation for squint and one for treatment for squint, and 19 children received Out-Patient Treatment for Eye Disease in addition to those treated at the School Clinic.

See Table IV., Group II.

(g) Tonsils and Adenoids.

99 children received operative treatment under the arrangements made by the Local Education Authority, an increase of 36 cases on last year.

See Table IV., Group III.

(h) Dental Treatment.

The Report of the School Dental Surgeon on this work is attached. See Table IV., Group IV.

(i) Minor Ailments.

Treatment for these are given at the School Clinic, particulars appear on page 18—Table IV., Group I.

8.—OPEN AIR SCHOOLS.

At present we have no Open Air Schools, although in suitable weather school playgrounds are largely used for the holding of classes. I consider that a day open air school would be one of the most useful aids we could have for the prevention of disease, and would improve the physical and mental health of many of the children.

See Table III., Page 15.—116 delicate children are attending the Public Elementary Schools, who would doubtless do much better in an Open Air School.

9.—SWIMMING INSTRUCTION.

The arrangements whereby Elementary School Children are regularly taught swimming at the Corporation Baths continue, and during the year 1,128 children have received instruction

in swimming during the summer session, 1927. 606 lessons had been given with a total of 9,897 individual attendances. Of the pupils who attended, 882 were beginners and 218 of these were able to swim at least 25 yards by the end of the session. Certificates had been gained as follows:—218 for 25 yards, 106 for 50 yards, and 70 for 100 yards.

Medical inspection of those wishing to compete in the Annual Swimming Gala, 224 examined, and in 6 of these cases competition was not advised.

10.—EMPLOYMENT OF CHILDREN AND YOUNG PERSONS.

Under the Bye-Laws in force 187 medical certificates were issued and 139 children were re-examined for continuation of employment, and in four cases medical certificates were refused owing to children requiring medical treatment.

11.—SCHOLARSHIPS, BURSARS, AND STUDENT TEACHERS.

45 were examined and passed, subject in 3 cases to having defects remedied.

12.—CO-OPERATION OF PARENTS AND OTHERS.

65 per cent. of the parents were present in the schools at the examination, and, generally speaking, these parents showed every desire to co-operate with the School Medical Officer for the benefit of their children.

My thanks are due to the Secretary for Education, Head Teachers, School Attendance Officers, and various voluntary agencies, for co-operating with my department and furthering the work of Medical Inspection and Treatment.

13.—FEATURE OF THIS YEAR'S REPORT.

The most encouraging feature of this year's report is the continued increase in the numbers of children whose parents have availed themselves of the Authority's schemes for obtaining treatment. This is apparent in regard to enlarged tonsils and adenoids (that frequent source of deafness), in connection of errors of refraction and in remedy of dental defects and clearly shews that the continuous efforts on the part of my department to educate the public in the far reaching effects of these conditions is beginning to bear fruit, and must lead eventually to the elementary school children obtaining a fuller benefit from the instruction given in the schools, than in the past.

14.—STATISTICS.

Relating to the work of medical inspection of Elementary Schools as required by the Board of Education, are attached to the Report.

15.—MEDICAL INSPECTION.

Secondary and Junior Technical Schools.

The particulars of the School Medical Inspection of two Secondary Schools and Junior Technical School appears at the end of this Report.

I am, Ladies and Gentlemen,

Your obedient Servant,

P. H. STIRK,

School Medical Officer.

ELEMENTARY SCHOOLS, 1927.

ELEMENTARY SCHOOLS,

1927.

TABLE - I.

Return of Medical Inspections 1st January to 31st December, 1927.

A —ROUTINE MEDICAL INSPECTIONS.

A.—ROU	IINE	MEDICAL I.	MOLECTI	JNS.	
Number of Code G	roup I	nspections.			
Entrants					1058
Intermediates					597
Leavers				••••	744
					
Total				••••	2399
					
NT 1 C (1 T	. ,.	т			
Number of other R	Coutine	Inspections	••••	••••	1
R _	ОТНІ	ER INSPEC	TIONS		
D	-01111	ER INSLEC	HONS.		
Number of Special	Inspect	tions			2802
Number of Re-insp	-				2396
r					
Total	••••				5198

TABLE II.

A. Return of Defects found by Medical Inspection in the Year ended 31st December, 1927.

		-	Insp	outine pections. No. of Defects.	Ins	special pections. No. of Defects.
Defect or Diseas	se .		Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.	Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.
(1)			(2)	(3)	(4)	(5)
Malnutrition				4		
Uncleanliness— Head Body		•••	3			
Skin— Ringworm—Head Body					52 85	1
Scabies Impetigo Other Diseases (Non-Ti	 bercular)	••••	6		8 292 38	7 28
Eve— Blepharitis Conjunctivitis			1		4 14 2	
Keratitis Corneal Ulcer Corneal Opacities Defective Vision			97	6	246	48
Squint Other Conditions Ear—		• • •		9 2	25	4
Defective Hearing Otitis Media Other Ear Diseases			15	10 3 4	30	2
Nose and Throat— Enlarged Tonsils Adenoids Enlarged Tonsils and Other Conditions			. 1	6 221	6 13 91 11 8	3 17 25
Enlarged Cervical Glands Defective Speech Teeth—Dental Diseases	(Non-Tube	• •		14		331

TABLE II.—continued.

			outine pections.		Special pections.	
		No of Defects.		No of Defects.		
Defect or Discase.		Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.	Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.	
		(2)	(3)	(4)	(5)	
Heart and Circulation— Heart Disease—Organic Functiona! Anaemia			7 7 3		5	
Lungs— Bronchitis Other Non-Tubercular Diseases—			5 4	i	5 3 1 1	
Tuberculosis— Pulmonary—Definite Suspected Non-Pulmonary—Glands Spine Hip			9	1	15	
Other Bones & Join Skin Other Forms		N.				
Nervous System— Epilepsy Chorea Other Conditions		1 1	1 2	2 9 5	1 2	
Deformities— Rickets Spinal Curvature Other Forms Other Defects and Diseases—	••••	5 23	1 9 13 34	1 4 2	9 48	

B. Number of *individual children* found at *Routine* Medical Inspection to Require Treatment (excluding uncleanliness and Dental Diseases.

	Number of	Percentage of Children found to require	
Group. (1)	Inspected (2)	quire treatment.	
Code Group: Entrants Intermediate Leavers	1058 597 744	105 78 86	9.9 13.06 11.5
Total (code groups)	2399	269	11.2
Other Routine Inspections	1	_	_

Classification of Diseases other than those classified in Table IV.

Group I. showing how treated.

Fits and Petit Mal. 3	Disease, &c.	Cured Dispensary.	Operation Hospital.	Cured Hospital.	Cured Private Doctor.	Remarks.
Lungs Tubercular 1 3	Hernia Chorea Debility	3 3	4	1 4		
Deformities 2	Glands Non- Lungs Tubercular Phimosis	1	2		1 3 1	

Table III.—Return of all Exceptional Children in the Area.

	C 111: Hotain of w	Zacoptional Cimaron in the			
_	_	_	Boys.	Girls.	Total.
Blind (in-	(i) Suitable for training in a School or Class for the totally blind.	Attending Certified Schools or Classes for the Blind Attending Public Elementary Schools At other Institutions At no School or Institution	2	4	6
tially blind)	(ii) Suitable for training in a School or Class for the partially blind.	Attending Certified Schools or Classes for the Blind Attending Public Elementary Schools At other Institutions At no School or Institution			
Deaf (in cluding deaf and dumb and	(i) Suitable for training in a School or Class for the totally deaf or deaf and dumb.	Attending Certified Schools or Classes for the Deaf Attending Public Elementary Schools At other Institutions At no School or Institution	. 2	2	4
partially deaf).	(ii) Suitable for training in a School or Class for the partially deaf.				
Mentally	Feebleminded (cases not notifiable to the Local Control Authority).	Attending Certified Schools for Mentally Defective Children Attending Public Elementary Schools At other Institutions At no School or Institution	9 7 1 6	10 7 6	19 14 1 12
Defective.	Notified to the Local Control Authority during the year.	Feebleminded Imbeciles Idiots		1	1 1
Epileptics.	Suffering from severe epilepsy.	Attending Certified Special Schools for Epileptics In Institutions other than Certified Special Schools Attending Public Elementary Schools At no School or Institution		3	3

TABLE III.—continued.

	TABLE	III.—continued.			
	_		Boys.	Girls.	Total.
Epileptics. —contd.	Suffering from epilepsy which is not severe.	Attending Public Elementary Schools At no School or Institution	1	2	3
	Infectious pulmon- ary and glandu- lar tuberculosis.	At Sanatoria or Sanatorium Schools approved by the Ministry of Health or the Board At other Institutions At no School or Institution Under private doctor			
Physically	Non-infectious but active pulmon- ary and glandu- lar tuberculosis.	At Sanatoria or Sanatorium Schools approved by the Ministry of Health or the Board At Certified Residential Open Air Schools At Certified Day Open Air Schools At Public Elementary Schools At other Institutions At no School or Institution	10	11	21
Defective.	Delicate Children (e.g., pre - or latent tubercu- losis, malnutri- tion, debility, anaemia, etc.)	At Certified Residential Open Air Schools At Certified Day Open Air Schools At Public Elementary Schools At other Institutions At no School or Institution	63	53	116
	Active non - pul- monary tuber- culosis.	At Sanatoria or Hospital Schools approved by the Ministry of Health or the Board At Public Elementary Schools At other Institutions At no School or Institution	2		2
	Crippled Children (other than those with active tuberculosis disease), e.g.,	At Certified Hospital Schools At Certified Residential Cripple Schools	1		ĺ
	children suffering from paralysis, etc., and including those with severe heart disease.	At Certified Day Cripple Schools Schools At Public Elementary Schools At other Institutions At no School or Institution	29	19	48

TABLE IV.—Return of Defects Treated during the Year ended 31st December, 1927.

Treatment Table.

Group I.—Minor Ailments (excluding Uncleanliness, for which see Group V.)

Disease or Defect.	Number of Defects treated or under treatment during the year.			
Discuse of Doroca.	Under the Authority's	Otherwise.	Total.	
(1)	Scheme. (2)	(3)	(4)	
Ringworm Scalp Ringworm Body Scabies Impetigo Other Skin Disease	. 7	4 6 1 11 8	55 85 8 298 18	
Minor Eye Defects— (External and other, but excluding cases failing in Group II.) Minor Ear Defects	26	2 20	24 46	
Miscellaneous		3	21	
Total		55	555	
		T D f	to twooted	

Group II.—Defective Vision and Squint (excluding Minor Eye Defects treated as Minor Ailments—Group I.)

	Νι	imber of Defect	s dealt with	ı .
Defect or Disease.	Under the Authority's Scheme.	Submitted to refraction by private practitioner or at hospital, apart from the Authority's Scheme.	Otherwise.	Total.
(1)	(2)	(3)	(4)	(5)
Errors of Refraction (including Squint)	282	9	38	329
Other Defects or Disease of the Eyes	. 22			22
Total	304	9	38	351
Total number of Children for (a) Under the A (b) Otherwise	authority's Scl	heme 		258 47
Total number of children v (a) Under the Au (b) Otherwise			 	258 47

Number of Defects.

Received	Operative Trea	tment.		
Under the Authority's Scheme in Clinic or Hospital.	By Private Practitioner or Hospital, apart from the Authority's Scheme. (2)	Total	Received other forms of Treatment at School.	Total number Treated.
98	22	120	247	367

Group IV.—Dental Defects.

(1)	Number 6 121
(1)	Number of children who were: (a) Inspected by the Dental Surgeon:—
	5 676
	Routine Age Group Routine Age G
	Specials 335
	Total 4388
*Of	this number approximately 1404 are re-inspections.
01	(b) Found to require treatment 1610
	(c) Actually treated 1283
	(d) Re-treated during the year as the result of periodical examination
	(see note e)
(2)	Half-days devoted to Inspection 70 Total 413
(3)	Attendance made by children for Treatment 2958
(4)	Fillings Permanent teeth 856 Total 1147 Temporary teeth 291
(5)	Extractions Permanent teeth 278, Total 1198
16)	(Temporary teeth 920)
(6) (7)	Administration of general anaesthetics for extractions 214 Other operations Permanent teeth 493 Total 1554
	Temporary teeth 1061
(e)	All cases entered under this head are also entered under head (c).
	Group V.—Uncleanliness and verminous condition.
(i)	Average number of visits per school made during the year
(ii)	by the School Nurses 11 Total number of examinations of children in the Schools
	by School Nurses 20709
(iii) (iv.)	Number of individual children found unclean 344
. (14.)	Number of children cleansed under arrangements made by the Local Education Authority Nil
(v.)	Number of cases in which legal proceedings were taken:
	(a) Under the Education Act, 1921 Nil (b) Under School Attendance Bye-laws Nil
	(b) Under School Attendance Bye-laws Nil

TABLE OF PHYSICAL DEFECTS FOUND AMONG 800 BACKWARD CHILDREN. TABLE V.

Medical Examination showed that 531 or 66.4 per cent of these Children had some physical defect, probably accounting for their backwardness, the backwardness of the majority of the remainder being due to irregular attendance.

ondance:	Percentages.		0.5 3.05 3.05 3.05 14.1 12.7 2.5 3.6 0.7 0.5 3.8	66.4
llegulai att	Total.		24 19 19 101 101 20 29 29 29 44 30	531
ng ann gu	.S.	Girls.	0 0-aab 0 0	20
mainder bei	Infants.	Boys.	- c ccanes -c c	24
ty of the re	Girls.		35 10 35 17 16 16 16 33 30 30 44	266
the majori	Bovs		12 9 9 25 14 10 10 10 10 10 10	221
their backwardness, the backwardness of the majority of the remainder being due to integural accordance	Defeate	. Caracter	Nutrition	Total

TABLE	VI.—Table	Showing	g numb	er of	Children	who	attended
	the Ins	spection	Clinic 1	for E	xaminatio	n.	

	F					
In	1911	••••	••••	612 Cl	rildren	
,,	1912	••••		923	,,	
,,	1913	••••		1240	,,	
,,	1914	••••	••••	1477	3.3	
,,	1915	••••	••••	1926	,,	
,,	1916	••••	••••	2331	,,	
,,	1917		••••	2256	,,	
,,	1918	••••	••••	1691	,,	
,,	1919			2323	,,	
,,	1920		••••	3811	,,	
,,	1921			3502	,,	
,,	1922	••••	••••	2174	,,	
,,	1923			2346	,,	
,,	1924	••••	••••	1993	,,	
,,	1925			1832	,,	
,,	1926		••••	2061	,,	
,,	1927		••••	2493	"	
They w	ere sent by	the follow	ving:—			
He	ad Teacher		••••	••••		1224
Sch	nool Medical	Officer		••••		108
Sch	nool Nurse	••••		••••		5 5 1
Me	dical Practiti	oners				17
Par	rents' own in	itative				447
Att	tendance Offic	cers	••••	••••		143
Pri	vate Individu	nals	••••	••••		3
	T 4-1					2493
	Total		****	• • • •		
	C	Condition	requiring Ex	amination	1.	
	. ~					

Uncleanliness	,	••••	Dental Diseases
Ringworm			Heart and Circulation
Impetigo			Lung (Non-Tubercular)
Ear Disease		••••	Nervous System
Defective Vision	n	••••	Deformities
Nose and Throa		••••	Other Defects and Diseases
61 1			Certificates of Fitness to
Defective Speed			attend School, Trading
			Certificates, &c

Secondary Schools and Junior Technical School. 1927.

TABLE I.

Return of Medical Inspection 1st January to 31st December, 1927.

INSPECTED:—

	Examin		
School.	Complete. Curtailed.		Total.
Junior Technical(Boys)	67	2	69
Hele's (Boys)	177	113	290
Exeter (Boys)	98	76	174
Tota!	342	191	533

TABLE II.

A. RETURN OF DEFECTS found in the course of Medical Inspection, 1927.

				EXAMINATIONS.			
			Complete. No. of		Curtailed. No. of		
				Defects.		Pefects.	
School.	Defect or I	t or Disease.		Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.	Requiring treatment.	Requiring to be kept under observation, but not requiring treatment.
	(1)			(2)	(3)	(4)	(5)
Junior	Vision			1		1	
Technical	Ear Disease			3			
(Boys.)	Slight Tonsils				2		
	Vision			8		9	2
	Teeth		••••	2			1
	Tonsils & Adend	oids		2	8	2	2
	Slight Cervical	Glands			3		
Hele's (Boys.)	Ear Disease			3	2		
iboys.)	Defective Speed	h			2		
	Chorea			1	1		
	Heart Disease				1		
	Other Defects.			11	4	1	
	Heart Disease				1		
	Squint				2	1	
Exeter	Vision	••••		. 5		3	
(Boys.)	Defective Hear	ing		. 1	1	1	
	Slight Cervical	Glands		1	2		
	Other Defects			. 6	3		

TABLE II.—continued.

B. Number of *individual children* found at *Routine* Medical Inspection to require treatment.

		Number o	Percentage.	
School.	Group.	Inspected.	Found to require treatment.	found to require treatment.
	Complete Examination	67	4	5.9
Junior Technical	Curtailed Examination	2	1	5.
(Boys.)	Total	69	5	7.2
	Complete Examination	177	26	14.6
Hele's (Boys.)	Curtailed Examination	113	12	10.6
	Total	290	38	13.1
	Complete Examination	98	11	11.2
Exeter	Curtailed Examination	76	5	6.5
(Boys')	Total	174	16	9.1

TABLE III.

Numerical Return of all Exceptional Children in the Area in 1927.

Nil.

TABLE IV.

GROUP I.—Treatment of Minor Ailments, 1927.

No arrangements are made by the Local Education Authority for treatment.

GROUP II.—Defective Vision and Squint.

		Number of Defects dealt with.				
School.	Defect or Disease.	Submitted to refraction by private practioner or at Hospital.	Other- wise.	Total.		
Junior Technical (Boys.)	Errors of Refraction (including Squint) Other Defect or Disease of the Eye		_ _	_		
	Total	_				

Total number of Children for whom spectacles were prescribed and received spectacles—Nil.

Hele's (Boys.)	Errors of Refraction (including Squint) Other Defect or Disease of the Eye	3	10	13
	Total	3	10	13

Total number of Children for whom spectacles were prescribed and received spectacles, 13.

Exeter (Boys.)	Errors of Refraction (including Squint) Other Defect or Disease of the Eye	5 —	8	13 —
	Total	5	8	13

Total number of Children for whom spectacles were prescribed and received spectacles, 13.

GROUPS III., IV., and V.—Nil.